

Punções de bico automáticos com ajustamentos

Ergonomic centre-punching
with adjustable hand force



Art. No. 430 231
Art. No. 430 230
Art. No. 430 229



2-component-handguard Adjustable striking force Replaceable, hardened pin

Automatic Centre Punch

- Steel, nickel plated finish
- Rugged self striking mechanism actuated by downward pressure
- Precision design
- Replaceable hardened pin
- Adjustable striking force
- available with 2 components-handguard



Art. No.	Länge Length mm	Schaft Shaft Ø mm	einstellbare Schlagkraft Adjustable striking force		Gewicht Weight g	VPE PU
			min N	max N		
400 129	95	11	20	90	30	1
400 229	95 HS				65	1
409 129	Ersetzpinne Ø 9,5 mm	Spore pin dia. 9,5mm				1
400 130	125	14	Ø	150	45	1
400 230	125 HS				55	1
409 130	Ersetzpinne Ø 6 mm	Spore pin dia. 6 mm				1
400 131	150	17	Ø	250	105	1
400 231	150 HS				140	1
409 131	Ersetzpinne Ø 6 mm	Spore pin dia. 6 mm				1

HS: mit Handschutz
HS: with handguard

Adjustable Centering Punch

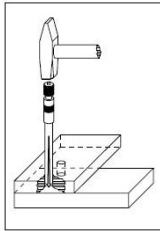
- For exact, offset-free centering on workpieces
- Perfect alignment of the slotted centering sleeve in the master or drilling jig with knurled screw
- Specially hardened and tempered passing centering punch
- Resharpener
- Of special tool steel



Art. No. 430 130



Art. No. 430 141



Art. No.	Länge Length mm	Bohrung Hole Ø mm	Gewicht Weight g	VPE PU
400 140	95	6-8	20	1
400 140 00	Ersetzpinne Ø 6-8 mm	Spore pin dia. 6-8 mm		1
400 141	105	8-11	57	1
400 141 00	Ersetzpinne Ø 8-11 mm	Spore pin dia. 8-11 mm		1
400 142	115	11-16	78	1
400 142 00	Ersetzpinne Ø 11-16 mm	Spore pin dia. 11-16 mm		1
430 143	Zentriermesser Ø 4kg	Spoke set		

Transferring 2 holes
onto a workpiece

1. Insert adjustable centering punch
2. Widen the centering sleeve until it fits the bore hole
3. Hit the centering punch with a hammer

Punções de bico de metal duro e de aço

Centre Punch with carbide tip

- Working edge with brazed, precision ground carbide tip
- Polished



Art. No. 434 131 0

Art. No.	Ø mm	Ø mm	Länge Length mm	Gewicht Weight g	VPE PU
430 121 0	3	10	120	60	10
434 131 0	4	14	130	190	10

Centre Punches

- Ground and polished
- Tools in question relate to DIN 7250



Art. No. 431 130 0



Art. No. 430 122 0 mit Handschutz with handguard

Art. No.	Ø mm	Ø mm	Länge Length mm	Gewicht Weight g	VPE PU	DIN 7250
430 100 0	3	8	100	50	10	-
430 120 0	4	10	120	70	10	-
430 122 0	4	10	120, mit Handschutz 120, with handguard	84	5	-
431 120 0	5	10	120	75	10	-
431 152 0	5	10	150, mit Handschutz 150, with handguard	134	5	-
432 120 0	5	12	120	106	10	-
432 150 0	5	12	150	130	10	-
434 150 0	6	14	150	180	10	-
438 150 0	6	16	150	200	10	-

Centre Punches, knurled

- Chrome vanadium steel
- Zinc chromate finish
- Polished, knurled shank



Art. No. 437 090 5

Art. No.	Ø mm	Met Ø mm	Länge Length mm	Gewicht Weight g	VPE PU
437 090 5	2,5	8	90	30	10
437 100 5	2,5	8	100	40	10

Conjunto de punções

Mechanic's Metalworking Set

- Flexible use through different tools in one set
- 2-component handle with interchangeable tips:
- 5 taper punches, dia. 3-8 mm
- 5 pin punches, dia. 3-8 mm
- 1 center punch, dia. 4 mm
- 4 brass tips for working on sensitive workpieces, dia. 4-8 mm
- In plastic case



Art. No. 426 017

Art. No.	Artikel Article	Ø mm	Länge Length mm	VPE PU
426 017	Mechaniker-set in Kunststoffkoffer Toolset for mechanics in plastic case			1
Beitragssatz Contents				
426 017 00	Aufnahme-Handgriff 2-component handle adapter	-	90	1
426 017 01	Durchbohrbohrer Drill punch insert	3	50	1
426 017 02	Durchbohrbohrer Drill punch insert	4	60	1
426 017 03	Durchbohrbohrer Drill punch insert	5	70	1
426 017 04	Durchbohrbohrer Drill punch insert	6	70	1
426 017 05	Durchbohrbohrer Drill punch insert	8	75	1
426 017 06	Spindelbohrbohrer Parallel pin punch insert	3	50	1
426 017 07	Spindelbohrbohrer Parallel pin punch insert	4	60	1
426 017 08	Spindelbohrbohrer Parallel pin punch insert	5	70	1
426 017 09	Spindelbohrbohrer Parallel pin punch insert	6	70	1
426 017 10	Spindelbohrbohrer Parallel pin punch insert	8	75	1
426 017 11	Körnerbohrer Soft-brass punch insert	4	50	1
426 017 12	Messingbohrbohrer Soft-brass parallel punch insert	4	90	1
426 017 13	Messingbohrbohrer Soft-brass parallel punch insert	5	90	1
426 017 14	Messingbohrbohrer Soft-brass parallel punch insert	6	90	1
426 017 15	Messingbohrbohrer Soft-brass parallel punch insert	8	90	1
	Multifunktions- SW 8/10 Spanner, R/F 10			1